

Anti-TNNI3 antibody (1-210) (STJ114870)

GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IF/ICC/IP/ELISA
Host / Source	Rabbit
Reactivity	Mouse/Rat

PRODUCT PROPERTIES

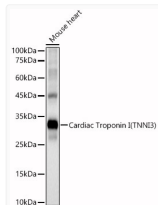
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:500-1:1000 IF/CC:1:50-1:200 IP:0.5 Mu g-4 Mu g antibody for 400 Mu g-600 Mu g extracts of whole cells ELISA:Recommended starting concentration is 1 Mu g/mL. Please optimize the concentration based on your specific assay requirements
Formulation	PBS with 0.02% Sodium Azide, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 24kDa Observed Mw: 28kDa
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

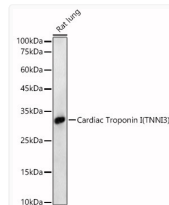
Gene ID	7137
Gene Symbol	TNNI3
UniProt ID	TNNI3_HUMAN
Immunogen Region	1-210
Immunogen Sequence	MADGSSDAAREPRPAPAPIR RRSSNYRAYATEPHAKKSK ISASRKLQLKTLLLQIAKQE LEREAEEERRGEKGRALSTRC QPLELAGLGFELQDLQCRQL HARVDKVDDEERYDIEAKVTK NITEIADLTQKIFDLRGKFK RPTLRVRISADAMMQALLG ARAKESLDLRAHLKQVKKED TEKENREVGDWRRKNIDALSG MEGRKKKFES
Specificity	Recombinant fusion protein containing a sequence corresponding to amino acids 1-210 of human Cardiac Troponin I (TNNI3) (NP_000354.4).

ADDITIONAL INFORMATION

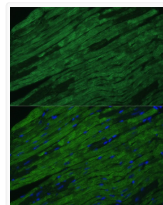
Note **STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.**



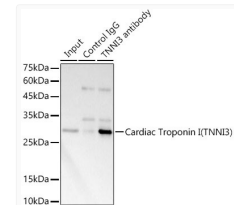
Western blot analysis of mouse heart, using Cardiac Troponin I (TNNI3) antibody (STJ114870) at 1:900 dilution. Secondary antibody: HRP Goat Anti-rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% non-fat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 20s.



Western blot analysis of Rat lung, using Cardiac Troponin I (TNNI3) antibody (STJ114870) at 1:900 dilution. Secondary antibody: HRP Goat Anti-rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% non-fat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 60s.



Immunofluorescence analysis of mouse heart cells using Cardiac Troponin I (TNNI3) antibody (STJ114870) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunoprecipitation analysis of 600 Mu g extracts of mouse heart cells using 3 Mu g Cardiac Troponin I (TNNI3) antibody (STJ114870). Western blot was performed from the immunoprecipitate using Cardiac Troponin I (TNNI3) antibody (STJ114870) at a dilution of 1:1000.